



Recombinant Rat Sortilin (Sort1)

Product Code	CSB-MP022412RA
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O54861
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	CEENDYTTWLAHSTDPGDYKDGKILGYKEQFLRLRKSSVCQNGRDYVVAKQP SICPCSLEDFLCDFGYFRPENASECVEQPELKGHELEFCLYGKEEHLTTNGYR KIPGDRCQGGMNPAREVKDLKKKCTSNFLNPKKQNSKSSS
Research Area	Others
Source	Mammalian cell
Target Names	Sort1
Protein Names	Recommended name: Sortilin Alternative name(s): Glycoprotein 110 Short name= Gp110 Neurotensin receptor 3 Short name= NTR3
Expression Region	610-754aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Interactions with LRPAP1 and NGFB domain
Target Details	This gene encodes a protein that is a multi-ligand type-1 receptor with similarity to the yeast carboxypeptidase Y sorting receptor Vps10 protein. The encoded protein, a trans-Golgi network (TGN) transmembrane protein, binds a number of unrelated ligands that participate in a wide range of cellular processes; however, it lacks the typical features of a signalling receptor. In the TGN, furin mediates the activation of the mature binding form. The encoded protein consists of a large luminal domain, a single transmembrane segment and short C-terminal cytoplasmic tail. The luminal domain contains a cysteine-rich region similar to two corresponding segments in the yeast Vps10p; the cytoplasmic tail is similar to the corresponding segment of the cation-independent mannose 6-phosphate receptor and the tail also interacts with the VHS domains of GGA (Golgi-associated, gamma-adaptin homologous, ARF-interacting) proteins.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

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